

1	WITH RANDOMLY ACTUATED STOPPING OR DISABLING MEANS	24	...With end-inserting or clamping means
2	WITH CONTROL MEANS RESPONSIVE TO SENSED CONDITION	25	..Means to buckle flaccid work
3	.Responsive to work feed means	26	.With means to place member between workpieces (e.g., dowels, etc.)
4	.Responsive to position of work support or anvil	27	.With drilling or punching means
5	.Work-responsive	28	.With means to sequentially secure layers (e.g., heels, etc.)
6	..Position of work		
7	...Control initiates driver-actuation	29	..With work clamp
175.1	SURGICAL STAPLER	30	.With driver acting through clamp jaw
175.2	.With lockout	31	.Bight attaching means (e.g., buttons, etc.)
175.3	..Responsive to a condition or position of a staple magazine	32	..Including means to insert member in bight
175.4	...Lockout prevents firing of a spent staple magazine	33	...With member-forming means
176.1	.With magazine	34	...After member is applied to a workpiece
177.1	..Including biasing means	35Single pointed member
178.1	..Multiple driving means	36With work feed means
179.1	..Tubular driving path	37	..With work feed means
180.1	..With cutting means	38	...With means to actuate driver
181.1	.With means to position a mating-member in alignment with driver	39	.Work conveyer means
182.1	.With means to prevent partial drive cycle	40	..Including common means to shift and clamp work
8	WITH INTERLOCK MEANS	41	..Pivoted work carrier
9	EXPLOSIVE-TYPE DRIVING MEANS	42	...Plural pivotal axes
10	.With plunger	43	..Including means to align member-aperture with member
11	.With protective shield	44	..Endless conveyer
12	STRETCHING TOOL WITH MEANS TO FASTEN FLACCID WORK TO RIGID BASE	45	...Including magazine-type work supply means
13	.Including mechanical means to apply force to stretching tool	46	...With reel-type work supply means
14	WITH MEANS TO CEMENT WORK OR MEMBER	47Including work cutting means
15	WITH MEANS TO POSITION "MATING-MEMBER" IN ALIGNMENT WITH DRIVER	48	..Including magazine-type work supply means
16	.Strip-type "mating-member"	49	...With means to rotate work
17	.With means to form "mating-member"	50	...With means to move assemblage to fastener station
18	.Comprising feed means for "mating-member"	51	WITH MEANS TO HEAD MEMBER
19	WITH MEANS TO ASSEMBLE PLURAL PIECES OF WORK	52	.Driver or heading means located within tubular work
20	.With means to deform work	53	.Common tool to drive and head member
21	..Including cutting means	54	.Pointed or edged tool
22	..Including means to rotate work	55	.Heading tool extends within hollow portion of member
23	...With die-shaping means	56	..Simultaneously used heading tools
		57	..With work feed means

58	..With means to form opening in work for member	90Pivoted
59	...Heading means also acting as opening former	91	...Including diverse means to sever and apply member
60	..With pilot pin	92	.With opposed tools to form member (e.g., forging, swaging, etc.)
61	.Anvil	93	.Severing means sole member former
62	..Die	94	..Including plural diverse severing operations
63	WITH MEANS TO WITHDRAW MEMBER	95	..With feed means for concatenated members
64	WITH MEANS TO SHAPE WORK OR CUT PRODUCT	96	...Pivoted feed means
65	.Buckling of flaccid work	97	..Severing means moves member to driver
66	.Deforming means with rectilinear reciprocating motion	98	..With reciprocating member carrier to driver
67	.Means to form opening in work for member	99	WITH MEANS TO CONVEY WORK OR PRODUCT RELATIVE TO DRIVING STATION
68	..Driver also acting as punch	100	.Interrelated conveying and driver-actuating means
69	..Rotatable cutting tool	101	..With means to move both the conveyer and a driver carriage
70	..Plural cutting tools (e.g., awls, etc.)	102	..With means to vary timed relationship between conveyer movement and driver actuating means
71	...For dual openings	103	..Plural conveying means
72	..With pivoted tool carrier	104	..With compound movement of work holder
73	..Including work-feeding means	105	..With rotary movement of work holder
74	...Cutting tool having work-feeding motion	106	.Work holder moves in curved path
75With pivoted tool carrier	107	WITH MEANS TO MOVE OR GUIDE MEMBER INTO DRIVING POSITION
76	.Cutting means	108	.With work-penetrating clenching tools
77	WITH MEANS TO DEFORM MEMBER REMOTE FROM THE WORK SURFACE AFTER WORK PENETRATION	109	.Adaptable to dispense different sizes or quantities of members
78	SELECTIVE ALTERNATIVE APPLYING MEANS	110	.With positionable driver
79	WITH MEANS TO CUT MEMBER AFTER PENETRATION	111	..Including means to move driver carriage
80	.From material of indefinite length	112	.Fluid-contact member-feed means
81	DRIVING MOTION OF DRIVER HAS COMPONENT IN DIRECTION OF MOVING WORK (I.E., FLYING DRIVER)	113	.Magnetic member-feed and/or holding means
82	WITH MEANS TO FORM MEMBER PRIOR TO PENETRATION OF WORK	114	.Including means other than the driver to separate leading member from a supply
83	.Deflector	115	..Interrelated separator elements
84	.With means to vary length of members	116	..Rectilinear motion
85	.With offset tools to deform members (e.g., bending, drawing, etc.)	117	..Rotary
86	..With cutting edge on driver	118	...Oscillating separator
87	..With driver acting through offset tools		
88	...Including retractable forming bar		
89With movable member-holder		

- 119 .With means to assure correct orientation of member(s)
- 120 .Including supply magazine for constantly urged members
- 121 ..With means to prevent partial drive cycle
- 122 ..With means to cut jammed member
- 123 ..With removable or resiliently urged (antijam) noseplate
- 124 ..With interrelated driver and work clamp
- 125 ..With means to disable urging means
- 126 ...By lock means
- 127 ..With magazine closure
- 128 ...Pivoted magazine cover
- 129 ..With means to actuate driver
- 130 ...Fluid pressure means
- 131 ...Magnet or solenoid
- 132 ...Spring
- 133 ...Inertia means
- 134 ..Spring-retracting means
- 135 .Including carrier feed means for a plurality of members
- 136 ..With means to feed strip-type carrier
- 137 ..Rotary
- 138 .Driver actuates member-feed means
- 139 .With means to guide member
- 140 **WITH MEANS TO SUPPORT MEMBER AND/
OR WORK RELATIVE TO DRIVER**
- 141 .Driver moves work, member held stationary
- 142 .With means to vary the length of the tool stroke
- 143 .With means to move elements of tool-pair during driving
- 144 ..Pivoted tool element
- 145 .Curved driver path
- 146 .Spring-actuated driver
- 147 .Impact-type driver
- 148 .Comprising means to angularly orient member
- 149 .Bias-type member holder
- 150 .Means to guide moving work
- 151 .Work immobilizer
- 152 ..Means to clamp work
- 153 ...Interrelated with driver-actuation
- 154 .Work support
- 155 ..Including clenching means
- 156 **MISCELLANEOUS**

CROSS-REFERENCE ART COLLECTIONS

- 901 **SURGICAL CLIP APPLIERS**
- 902 **SURGICAL CLIPS OR STAPLES**

FOREIGN ART COLLECTIONS

- FOR **CLASS-RELATED FOREIGN DOCUMENTS**

